

REMARKS

Applicants have previously elected the species of claim 26. The Examiner has issued a further restriction requirement. Applicants now elect Group 2 as required by the Examiner with traverse. Applicants reaffirm their election of the species of claim 26 and request the examination of claims 1-19 and 25-31 as presently amended. Applicants note the prior withdrawal from consideration of claims 20-24 directed to intermediate compounds.

The Examiner has rejected claims 1-19, 25, 26, 30 and 31 under 35 U.S.C. §112, first paragraph, on the grounds that the specification does not reasonably provide enablement for all the various ring structures and substituents.

Applicants have amended the claims to limit them to those structures that are clearly enabled by the Examples. Accordingly, this rejection should be withdrawn.

The Examiner has provisionally rejected claims 1-19 and 25 under 35 U.S.C. §101 on the grounds of double patenting over claims 1-19 and 27 of Application No. 09/707,068. This application has been abandoned. Accordingly, this rejection should be withdrawn.

Favorable consideration and allowance of claims 1-19 and 25-31 as presently amended is respectfully requested.

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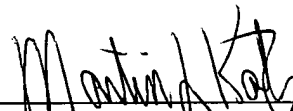
Respectfully submitted,

WOOD, PHILLIPS, KATZ, CLARK & MORTIMER

November 25, 2002

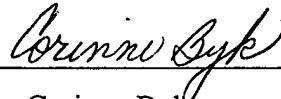
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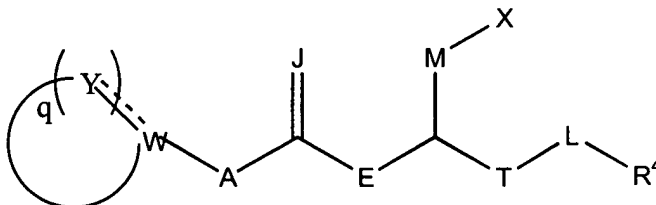


Corinne Byk

Marked Up Version of Claims

Please amend claim 1 as follows:

1. (once amended) A compound of the structure



wherein Y, at each occurrence, is independently selected from the group consisting of C(O), N, CR¹, C(R²)(R³), NR⁵[,] and CH[, O and S];

q is an integer of from 3 to [10] 6;

A is [selected from the group consisting of O, S, C(R¹⁶)(R¹⁷) and] NR⁶;

E is [selected from the group consisting of CH₂, O, S, and]
NR⁷;

J is [selected from the group consisting of] O[, S and NR⁸];

T is [selected from the group consisting of C(O) and] (CH₂)_b wherein b is an integer of from 0 to [3] 2;

M is selected from the group consisting of C(R⁹)(R¹⁰) and
(CH₂)_u[,] wherein u is an integer of from 0 to [3] 1;

L is [selected from the group consisting of O, NR¹¹, S, and]
(CH₂)_n wherein n is an integer of 0 or 1;

X is selected from the group consisting of CO₂B, [PO₃H₂,
SO₃H, SO₂NH₂, SO₂NHCOR¹², OPO₃H₂, C(O)NHC(O)R¹³,
C(O)NH₂SO₂R¹⁴, hydroxyl,] and tetrazolyl [and hydrogen];

W is selected from the group consisting of C[,] and CR¹⁵ [and N]; [and
B, R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵, R¹⁶ and R¹⁷ at
each occurrence are independently selected from the group consisting of

hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, aikynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, -OH, alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃ alkyl), -NHC(O)NH(C₁-C₆ alkyl), -NHSO₂(C₁-C₃ alkyl), -NHSO₂(aryl), alkoxyalkyl, alkylamino, alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups;]

B is H or alkyl;

R¹ at each occurrence is independently selected from the group consisting of hydrogen, halogen, alkyl, alkoxy, -CF₃, -NH₂, -OH, -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃ alkyl), -NHSO₂(C₁-C₃ alkyl), alkylamino, di(C₁-C₃ alkyl)amino, cycloalkyl, aryl, arylamino, heterocyclyl and sulfonamido;

R² and R³ are hydrogen;

R⁴ is selected from the group consisting of

hydrogen, alkyl, aryl, biaryl, heterocyclyl, alkylaryl, aralkyl, heterocyclylalkyl and alkylheterocyclyl;

R⁵ at each occurrence is independently selected from the group consisting of

alkyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heterocyclylalkyl, heterocyclyl and aryloxyalkyl;

R⁶ and R⁷ are independently hydrogen or alkyl;

R⁹ and R¹⁰ are independently selected from the group consisting of

hydrogen, alkyl and halogen; and

R¹⁵ is hydrogen;

wherein B, R¹, R², R³, R⁴, R⁵, R⁶, R⁷, [R⁸,] R⁹, R¹⁰[, R¹¹, R¹², R¹³, R¹⁴,] and R¹⁵[, R¹⁶ and R¹⁷] are unsubstituted or substituted with at least one electron donating or electron withdrawing group;

[wherein when L is NR¹¹, R⁴ and R¹¹ taken together may form a ring;

and wherein when M is C(R⁹)(R¹⁰), R⁹ and R¹⁰ taken together may form a ring;]

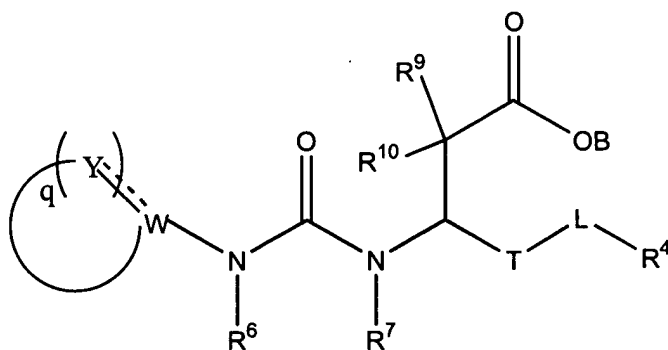
and wherein when A is NR⁶ and at least one Y is CR¹, R¹ and R⁶ taken together may form a ring;

or a pharmaceutically acceptable salt thereof[;

with the proviso that when A is C(R¹⁶)(R¹⁷), E is not NR⁷].

Please amend claim 4 as follows:

4. (once amended) A compound of the structure



wherein Y, at each occurrence, is independently selected from the group consisting of C(O), N, CR¹, C(R²)(R³), NR⁵[,] and CH[, O and S];

q is an integer of from 3 to [7] 6;

T is [selected from the group consisting of C(O) and] (CH₂)_b wherein b is an integer of 0 to [3] 2;

L is [selected from the group consisting of O, NR¹¹, S, and] (CH₂)_n wherein n is an integer of 0 or 1;

W is selected from the group consisting of C[,] and CR¹⁵ [and N]; [and B, R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁹, R¹⁰, R¹¹ and R¹⁵ are independently selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, -OH, alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃alkyl), -NHC(O)NH(C₁-C₆ alkyl), -NH₂SO₂(C₁-C₃ alkyl), -NH₂SO₂(aryl), alkoxyalkyl, alkylamino, alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups];

B is H or alkyl;

R¹ at each occurrence is independently selected from the group consisting of hydrogen, halogen, alkyl, alkoxy, -CF₃, -NH₂, -OH, -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃ alkyl), -NH₂SO₂(C₁-C₃ alkyl), alkylamino, di(C₁-C₃ alkyl)amino, cycloalkyl, aryl, arylamino, heterocyclyl and sulfonamido;

R² and R³ are hydrogen;

R⁴ is selected from the group consisting of

hydrogen, alkyl, aryl, biaryl, heterocyclyl, alkylaryl, aralkyl, heterocyclylalkyl and alkylheterocyclyl;

R⁵ at each occurrence is independently selected from the group consisting of alkyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heterocyclylalkyl, heterocyclyl and aryloxyalkyl;

R⁶ and R⁷ are independently hydrogen or alkyl; and

R⁹ and R¹⁰ are independently selected from the group consisting of hydrogen, alkyl and halogen;

wherein B, R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁹, R¹⁰, [R¹¹] and R¹⁵ are unsubstituted or substituted with at least one electron donating or electron withdrawing group;

[wherein when L is NR¹¹, R⁴ and R¹¹ taken together may form a ring;

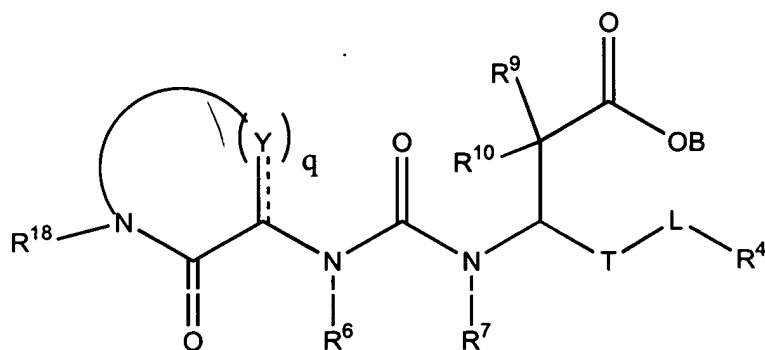
and wherein R⁹ and R¹⁰ taken together may form a ring;]

and wherein when at least one Y is CR¹, R¹ and R⁶ taken together may form a ring;

or a pharmaceutically acceptable salt thereof.

Please amend claim 7 as follows:

7. (once amended) A compound of the structure



wherein Y, at each occurrence, is independently selected from the group consisting of C(O), N, CR¹, C(R²)(R³)[, NR⁵,] ~~and~~ CH[, O and S];

q is an integer of from 2 to [5] 4;

T is [selected from the group consisting of C(O) and] (CH₂)_b wherein b is an integer of 0 to [3] 2;

L is [selected from the group consisting of O, NR¹¹, S, and] (CH₂)_n wherein n is an integer of 0 or 1;

[R⁵, R⁶, R⁷, R¹¹ and R¹⁸ are each independently selected from the group consisting of alkyl, alkenyl, alkynyl, hydroxyalkyl, aliphatic acyl, alkynylamino, alkoxycarbonyl, heterocycloyl, -CH=NOH, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, carbamate, aryloxyalkyl, hydrogen and -C(O)NH(benzyl) groups; and

B, R¹, R², R³, R⁴, R⁹ and R¹⁰ are independently selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, -OH, alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃alkyl), -NHC(O)NH(C₁-C₆ alkyl), -NHSO₂(C₁-C₃ alkyl), -NHSO₂(aryl), alkoxyalkyl, alkylamino, alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups];

B is H or alkyl;

R¹ at each occurrence is independently selected from the group consisting of hydrogen, halogen, alkyl, alkoxy, -CF₃, -NH₂, -OH, -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃ alkyl), -NHSO₂(C₁-C₃ alkyl), alkylamino, di(C₁-C₃ alkyl)amino, cycloalkyl, aryl, arylamino, heterocyclyl and sulfonamido;

R² and R³ are hydrogen;

R⁴ is selected from the group consisting of

hydrogen, alkyl, aryl, biaryl, heterocyclyl, alkylaryl, aralkyl, heterocyclylalkyl and alkylheterocyclyl;

R⁶ R⁷ are independently hydrogen or alkyl;

R⁹ and R¹⁰ are independently selected from the group of

hydrogen, alkyl and halogen; and

R¹⁸ is selected from the group consisting of

hydrogen, alkyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, heterocyclyl and aryloxyalkyl;

wherein B, R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁹, R¹⁰, R¹¹ and R¹⁸ are

unsubstituted or substituted with at least one electron donating or electron withdrawing group;

[wherein when L is NR¹¹, R⁴ and R¹¹ taken together may form a ring;

and wherein R⁹ and R¹⁰ taken together may form a ring;]

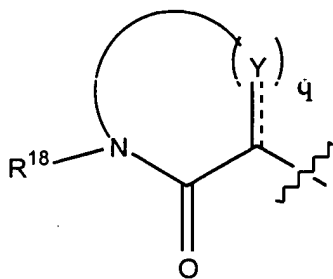
and wherein when at least one Y is CR¹, R¹ and R⁶ taken

together may form a ring;

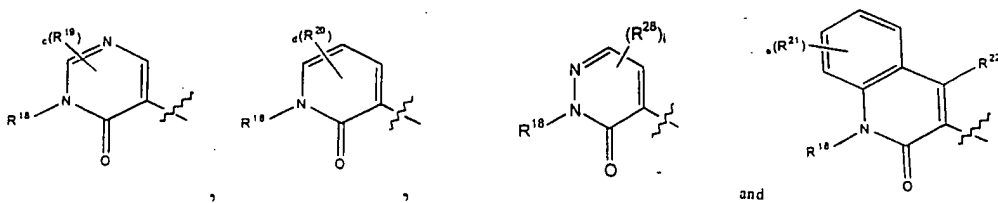
or a pharmaceutically acceptable salt thereof.

Please amend claim 10 as follows:

10. (once amended) A compound of claim 7 wherein



is selected from the group consisting of



wherein R^{19} , R^{20} , R^{21} and R^{28} at each occurrence are independently selected from the group consisting of halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, - CF_3 , -OH, - CO_2H , -SH, -CN, - NO_2 , - NH_2 , alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, - $N(C_1-C_3 \text{ alkyl})-C(O)(C_1-C_3 \text{ alkyl})$, - $NHC(O)N(C_1-C_3 \text{ alkyl})C(O)NH(C_1-C_3 \text{ alkyl})$, - $NHC(O)NH(C_1-C_6 \text{ alkyl})$, - $NHSO_2(C_1-C_3 \text{ alkyl})$, - $NHSO_2(\text{aryl})$, alkoxyalkyl, alkylamino, alkenylamino, di(C_1-C_3)amino, - $C(O)O-(C_1-C_3 \text{ alkyl})$, - $C(O)NH-(C_1-C_3 \text{ alkyl})$, - $C(O)N(C_1-C_3 \text{ alkyl})_2$, - $CH=NOH$, - PO_3H_2 , - OPO_3H_2 , haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl,

sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups;

R¹⁸ is selected from the group consisting of alkyl, alkenyl, alkynyl, hydroxyalkyl, aliphatic acyl, alkynylamino, alkoxycarbonyl, heterocycloyl, -CH=NOH, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, carbamate, aryloxyalkyl, hydrogen and -C(O)NH(benzyl) groups;

R²² is selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, -OH, alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃alkyl), -NHC(O)NH(C₁-C₆ alkyl), -NHSO₂(C₁-C₃ alkyl), -NHSO₂(aryl), alkoxyalkyl, alkylamino, alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups;]

R¹⁸ is selected from the group consisting of

alkyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heterocyclylalkyl, heterocyclyl and aryloxyalkyl;

R¹⁹ at each occurrence is independently selected from the group consisting of
alkyl, heterocyclyl and aryl;

R²⁰ at each occurrence is independently selected from the group consisting of
hydrogen, halogen, alkyl, alkoxy, -CF₃, -NH₂, -OH, -NHC(O)N(C₁-C₃
alkyl)C(O)NH(C₁-C₃ alkyl), -NHSO₂(C₁-C₃ alkyl), alkylamino, di(C₁-C₃
alkyl)amino, cycloalkyl, aryl, arylamino, heterocyclyl and sulfonamido;

R²¹ is hydrogen;

R²⁸ at each occurrence is independently selected from the group consisting of
alkyl and hydroxy;

c is an integer of zero to two;

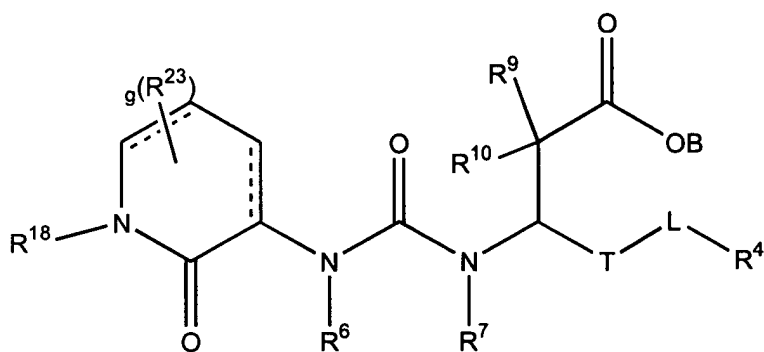
d is an integer of zero to three;

e is an integer of zero to four; and

i is an integer of zero to two.

Please amend claim 12 as follows:

12. (once amended) A compound of the structure



wherein T is [selected from the group consisting of C(O) and] (CH₂)_b wherein b is an integer of from 0 to [3]2;

L is [selected from the group consisting of O, NR¹¹, S, and]

(CH₂)_n wherein n is an integer of 0 or 1;

g is an integer of from 0 to 7; [and

B, R⁴, R⁹, R¹⁰ and R²³ at each occurrence are independently selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, -OH, alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃ alkyl), -NHC(O)NH(C₁-C₆

alkyl), -NHSO₂(C₁-C₃ alkyl), -NHSO₂(aryl), alkoxyalkyl, alkylamino, aikenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups;

R⁶, R⁷, R¹¹ and R¹⁸ are each independently selected from the group consisting of alkyl, alkenyl, alkynyl, hydroxyalkyl, aliphatic acyl, alkynylamino, alkoxycarbonyl, heterocyclyl, -CH=NOH, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, carbamate, aryloxyalkyl, hydrogen and -C(O)NH(benzyl) groups;]

B is H or alkyl;

R⁴ is selected from the group consisting of

hydrogen, alkyl, aryl, biaryl, heterocyclyl, alkylaryl, aralkyl, heterocyclylalkyl and alkylheterocyclyl;

R⁶ and R⁷ are independently hydrogen or alkyl;

R⁹ and R¹⁰ are independently selected from the group consisting of

hydrogen, alkyl and halogen;

R¹⁸ is selected from the group consisting of

alkyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heterocyclylalkyl, heterocyclyl and aryloxyalkyl; and

R²³ at each occurrence is independently selected from the group consisting of

hydrogen, halogen, alkyl, alkoxy, -CF₃, -NH₂, -OH, -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃ alkyl), -NHSO₂(C₁-C₃ alkyl), alkylamino, di(C₁-C₃ alkyl)amino, cycloalkyl, aryl, arylamino, heterocyclyl and sulfonamido;

wherein B, R⁴, R⁶, R⁷, R⁹, R¹⁰, [R¹¹,] R¹⁸ and R²³ are unsubstituted or substituted with at least one electron donating or electron withdrawing group;

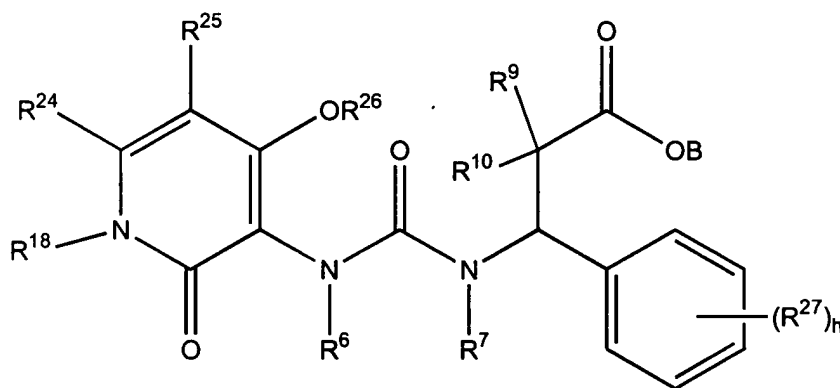
[wherein when L is NR¹¹, R⁴ and R¹¹ taken together may form a ring;

and wherein R⁹ and R¹⁰ taken together may form a ring;]

or a pharmaceutically acceptable salt thereof.

Please amend claim 14 as follows:

14. (once amended) A compound of the structure



wherein h is an integer of zero to five;

[B, R⁹, R¹⁰, R²⁴ and R²⁵ are each independently selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, -OH, alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃alkyl), -NHC(O)NH(C₁-C₆ alkyl), -NHSO₂(C₁-C₃ alkyl), -NHSO₂(aryl), alkoxyalkyl, alkylamino, alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl,

-SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups;

R²⁷, at each occurrence, is independently selected from the group consisting of halogen, hydroxyl, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃alkyl), -NHC(O)NH(C₁-C₆ alkyl), -NHSO₂(C₁-C₃ alkyl), -NHSO₂(aryl), -N(C₁-C₃alkyl)SO₂(C₁-C₃alkyl), -N(C₁-C₃alkyl)SO₂(aryl), alkoxyalkyl, alkylamino, alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and -C(O)NH(benzyl) groups;

R⁶, R⁷ and R¹⁸ are each independently selected from the group consisting of alkyl, alkenyl, alkynyl, hydroxyalkyl, aliphatic acyl, alkynylamino, alkoxycarbonyl, heterocycloyl, -CH=NOH, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, carbamate, aryloxyalkyl, hydrogen and -C(O)NH(benzyl) groups; and,

R²⁶ is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, hydroxyalkyl, aliphatic acyl, -CF₃, alkoxycarbonyl, heterocycloyl, carboxy, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -PO₃H₂, haloalkyl, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, biaryl, heterocyclyl, alkylaryl,

aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-
(C₁-C₃ alkyl), sulfonamido, aryloxyalkyl and -C(O)NH(benzyl) groups;]

B, R⁶, R⁷, R⁹, R¹⁰ are independently selected from the group consisting of
hydrogen and alkyl;

R¹⁸ is selected from the group consisting of
alkyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, heterocyclalkyl, heterocycl
and aryloxyalkyl;

R²⁴ is selected from the group consisting of
hydrogen, alkyl and aryl;

R²⁵ is selected from the group consisting of
hydrogen, halogen, alkyl and cycloalkyl;

R²⁶ is selected from the group consisting of
hydrogen, alkyl and aralkyl; and

R²⁷ at each occurrence is independently selected from the group consisting of
halogen, hydroxyl, alkyl, alkoxy, thioalkoxy, -CF₃, alkylamino, alkenylamino,
di(C₁-C₃ alkyl)amino, haloalkyl, alkoxyalkoxy, cycloalkyl, aryl, sulfonyl and -
SO₂-(C₁-C₃ alkyl);

wherein B, R⁶, R⁷, R⁹, R¹⁰, R¹⁸, R²⁴, R²⁵, R²⁶ and R²⁷ are unsubstituted or
substituted with at least one electron donating or electron withdrawing group;

wherein [R¹⁸ and R²⁴ taken together may form a ring;]

R²⁴ and R²⁵ taken together may form a ring;

[R²⁵ and R²⁶ taken together may form a ring;

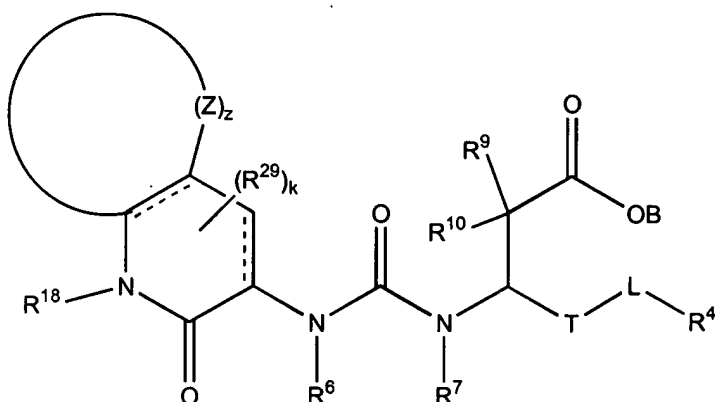
and wherein R⁹ and R¹⁰ taken together may form a ring;]

or a pharmaceutically acceptable salt thereof.

15. (once amended) The compound of claim 14 wherein B, R⁶, R⁷, R⁹, R¹⁰, R²⁴, R²⁵ and R²⁶
are each independently hydrogen or alkyl and R¹⁸ is substituted or unsubstituted aralkyl.

Please amend claim 17 as follows:

17. (once amended) A compound of the structure



wherein Z, at each occurrence, is independently selected from the group consisting of [C(O), N,] CR³⁰, C(R³¹)(R³²), [NR³³,] CH[, O] and S;

z is an integer of from 3 to [6]5;

k is [an integer of from 0 to 5]1;

T is [selected from the group consisting of C(O) and] (CH₂)_b wherein b is an integer of from 0 to [3]1;

L is [selected from the group consisting of O, NR¹¹, S, and] (CH₂)_n wherein n is an integer of 0 or 1;

[R⁶, R⁷, R¹¹, R¹⁸ and R³³ are each independently selected from the group consisting of alkyl, alkenyl, alkynyl, hydroxyalkyl, aliphatic acyl, alkynylamino, alkoxy carbonyl, heterocycloyl, -CH=NOH, haloalkyl, alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, carbamate, aryloxyalkyl, hydrogen and -C(O)NH(benzyl) groups;

B, R⁴, R⁹, R¹⁰, R³⁰, R³¹ and R³² at each occurrence are independently selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy, hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -OH, -CN, -NO₂, -NH₂, alkynylamino, alkoxy carbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-C(O)(C₁-C₃ alkyl),

-NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃alkyl), -NHC(O)NH(C₁-C₆ alkyl),
 -NH₂SO₂(C₁-C₃ alkyl), -NH₂SO₂(aryl), alkoxyalkyl, alkylamino,
 alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-C₃)alkyl, -C(O)NH-(C₁-
 C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH, -PO₃H₂, -OPO₃H₂, haloalkyl,
 alkoxyalkoxy, carboxaldehyde, carboxamide, cycloalkyl, cycloalkenyl,
 cycloalkynyl, cycloalkylalkyl, aryl, aroyl, aryloxy, arylamino, biaryl,
 thioaryl, diarylamino, heterocyclyl, alkylaryl, aralkenyl, aralkyl,
 alkylheterocyclyl, heterocyclylalkyl, sulfonyl, -SO₂-(C₁-C₃ alkyl), -SO₃-
 (C₁-C₃ alkyl), sulfonamido, carbamate, aryloxyalkyl and
 -C(O)NH(benzyl) groups; and

R²⁹, at each occurrence, is independently selected from the group consisting of
 halogen, alkyl, alkenyl, alkynyl, alkoxy, alkenoxy, alkynoxy, thioalkoxy,
 hydroxyalkyl, aliphatic acyl, -CF₃, -CO₂H, -SH, -CN, -NO₂, -NH₂, -OH,
 alkynylamino, alkoxycarbonyl, heterocycloyl, carboxy, -N(C₁-C₃ alkyl)-
 C(O)(C₁-C₃ alkyl), -NHC(O)N(C₁-C₃ alkyl)C(O)NH(C₁-C₃alkyl),
 -NHC(O)NH(C₁-C₆ alkyl), -NH₂SO₂(C₁-C₃ alkyl), -NH₂SO₂(aryl),
 alkoxyalkyl, alkylamino, alkenylamino, di(C₁-C₃)amino, -C(O)O-(C₁-
 C₃)alkyl, -C(O)NH-(C₁-C₃)alkyl, -C(O)N(C₁-C₃ alkyl)₂, -CH=NOH,
 -PO₃H₂, -OPO₃H₂, haloalkyl, alkoxyalkoxy, carboxaldehyde,
 carboxamide, cycloalkyl, cycloalkenyl, cycloalkynyl, cycloalkylalkyl,
 aryl, aroyl, aryloxy, arylamino, biaryl, thioaryl, diarylamino, heterocyclyl,
 alkylaryl, aralkenyl, aralkyl, alkylheterocyclyl, heterocyclylalkyl, sulfonyl,
 -SO₂-(C₁-C₃ alkyl), -SO₃-(C₁-C₃ alkyl), sulfonamido, carbamate,
 aryloxyalkyl and -C(O)NH(benzyl) groups;]

B is selected from the group consisting of

hydrogen and alkyl;

R⁴ is selected from the group consisting of

hydrogen, aryl, alkyl, aralkyl, heterocyclyl and biaryl;

R⁶, R⁷, R⁹, R¹⁰, R³⁰, R³¹ and R³² are hydrogen;

R¹⁸ is aralkyl; and

R²⁹ is hydroxyl;

wherein B, R⁴, [R⁵,] R⁶, R⁷, R⁹, R¹⁰, [R¹¹,] R¹⁸, R²⁹, R³⁰, R³¹[,] and R³² [and R³³] are

unsubstituted or substituted with at least one electron donating or electron withdrawing group;

[wherein when L is NR^{11} , R^4 and R^{11} taken together may form a ring;

and wherein R^9 and R^{10} taken together may form a ring;]

or a pharmaceutically acceptable salt thereof.